

Curriculum Vitae

Nicolas Debarsy

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Contact

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Current position

2017 – CNRS Research Associate, Lille Economie et Management, UMR CNRS 9221

Past positions

2012 – **2016** CNRS Research Associate, Laboratoire d'Economie d'Orléans, UMR CNRS 7322

2011 – **2012** Post-doc LEO - UMR 7322 and Centre de recherche en Economie Régionale et Politique Economique (CERPE), University of Namur (Belgium)

Education

2023 Habilitation à Diriger des Recherches, Dijon. Committee: Pr. Vincent Boucher (ULaval-reviewer), Pr. Sophie Dabo (ULille, reviewer- president), Pr. Xiaodong Liu (U. Colorado Boulder, reviewer), Pr. Olivier Parent (U. Cincinnati), Pr. Habiba Djebbari (AMU), Pr. Julie Le Gallo (Institut Agro Dijon, Garantor).

2007 – **2011** Ph.D in Economics. Supervisors: Profs. Vincenzo Verardi (University of Namur) and Cem Ertur (University of Orléans, France). Dissertation title: "Essays in spatial autoregressive panel data models". Ph.D grant of the FRS - FNRS (Fonds National de la Recherche Scientifique). Committee: Lung-fei Lee (Ohio State University), Cem Ertur (University of Orléans), Vincenzo Verardi (University of Namur), Romain Houssa (University of Namur), Marcus Dejardin (University of Namur).

2006 – **2007** Master of Arts in Economics, University of Namur and Université catholique de Louvain. Thesis title: "Testing panel data regression models with spatial error correlation, reproduction and further results".

Publications

Articles in international peer reviewed journals

11. Debarsy N., J. LeSage (2022), “Bayesian model averaging for spatial autoregressive models based on convex combinations of different types of connectivity matrices ”, *Journal of Business & Economics Statistics*, 40(1), 547–558.
10. Debarsy N., C. Ertur (2019), “ Interaction matrix selection in spatial autoregressive models with an application to growth theory”, *Regional Science and Urban Economics*, 75, 49–69.
9. Debarsy N., Z. Yang (2018), “New advances in spatial econometrics: interactions matter”, Lead article, *Regional Science and Urban Economics*, 72, 1–5.
8. Debarsy N., J. LeSage, (2018), “ Flexible dependence modeling using convex combinations of different types of connectivity structures”, *Regional Science and Urban Economics*, 69, 48–68.
7. Debarsy N., C. Dossougoin, C. Ertur, JY Gnabo (2018), “Measuring sovereign risk spillovers and assessing the role of transmission channels: A spatial econometrics approach”, *Journal of Economic Dynamics and Control*, 87, 21–45.
6. Debarsy N., JY Gnabo, M. Kerkour (2017), “Sovereign wealth funds’ cross-border investments: assessing the role of country-level drivers and spatial competition”, *Journal of International Money and Finance*, 76, 68–87.
5. Debarsy N., F. Jin, L-f Lee (2015), “Large sample properties of the MESS with an application to FDI, *Journal of Econometrics*, 188,1-21.
4. Debarsy N. (2012), “The Mundlak approach in the spatial Durbin panel data model”, *Spatial Economic Analysis*, 7, 109-131.
3. Debarsy N., C. Ertur, JP. LeSage (2012), “Interpreting dynamic space-time panel data models”, *Statistical Methodology*, 9, 158-171.
2. Verardi V., N. Debarsy (2012), “Robinson’s square root of N consistent semiparametric regression estimator in Stata”, *The Stata Journal*, 22, 726-735.
1. Debarsy N., C. Ertur (2010), “Testing for spatial autocorrelation in a fixed effects panel data model”, *Regional Science and Urban Economics*, 40, 453-470.

Edited book

- Debarsy N, S. Cordier, C. Ertur, F. Nemo, D. Nourrit, G. Poisson, Ch. Vrain (2017), “Understanding interactions in complex systems: toward a science of interaction”, Cambridge Scholar Publishing. ISBN 978-1-4438-9496-8

Chapters in books

- Debarsy N., J. LeSage (2021), “Using convex combinations of spatial weights in spatial autoregressive models”, in Fischer M. and Nijkamp, P. (eds), '*Handbook of Regional Science*, Springer, Berlin, Heidelberg, 2267–2282.

Working papers

1. Debarsy N., J. Le Gallo (2024), The empirical content of spatial spillovers: identification issues, see here. Submitted
2. Debarsy N., V. Verardi, C. Vermandele (2024), Semiparametric Efficient estimation linear interaction models, see here. Submitted
3. Ruiz Marin, M., F. Lopez, A. Paez, N. Debarsy, C. Ertur (2024), A test for global and local homogeneity of categorical data based on spatial runs, Submitted.
4. Béreau S., N. Debarsy, C. Dossougoin, J-Y. Gnabo (2022), Contagion in the banking industry: a robust-to-endogeneity analysis, see here.

Works in progress

1. Debarsy N., V. Verardi, C. Vermandele (2024), Parametric efficient estimation of linear interactions models.
2. Laajimi R., Delattre L. Jayet H. Debarsy N., 2024, Determinants of the location of off-farm points of sale in Short Food Supply Chains: Evidence from Nord and Pas de Calais, France.
3. Debarsy N. Fidrmuc, J., Hulenji, M., (2023), Out of the dark into the light? Impact of EU Eastern enlargements on development of border municipalities.
4. Debarsy, N., AL. Samson (2023), Impact of a delayed diagnosis on survival from oesogastric cancers

Grants - awards

- 2017** Regional Studies Association Best Referee Award for the journal *Spatial Economic Analysis*.
- 2015** The paper entitled “ The Mundlak Approach in the Spatial Durbin Panel Data Model” has been selected by the Editor of the international peer-reviewed journal *Spatial Economic Analysis* as part of the list of the most influential papers published in *Spatial Economic Analysis* since its creation, in 2005. The list is composed of 20 papers.
- 2013** Regional Studies Association Best Paper Award for the journal *Spatial Economic Analysis* for the paper “The Mundlak Approach in the Spatial Durbin Panel Data Model”
- 2011** Award of the Best Young Spatial Econometrician’s Paper, received from the Spatial Econometrics Association (SEA) for the paper: “The Mundlak approach in the spatial Durbin panel data model”
- 2010** Member of a round table devoted to the teaching of spatial econometrics during the 4th World Conference of the Spatial Econometrics Association (Chicago, USA)
- 2008** Major of the Summerschool organized by the Spatial Econometrics Association (Rome, Italy), (eur 1500).

Scientific supervision

PhD co-supervision

- 2021** – Co-supervision of the PhD thesis of Martin Hulenji (University of Lille). Co-supervisor: Jan Fidrmuc (University of Lille)
- 2014 – 2018** Co-supervisor with Sophie Béreau (Associate Professor at the Catholic University of Louvain - Belgium) of the PhD thesis of Cyrille Dossougoin. PhD title: “A spatial econometrics approach of financial complexity”. Defense : December 2018.

Member of supervision committees

- 2023** – Member of the PhD supervision committee of Ivan-Abdel Marin Medrano (Institut Agro Dijon)
- 2023** – Member of the PhD supervision committee of Audrey Glass (Université de Lille).
- 2020** – Member of the PhD supervision committee of Aniss Louchez (Université de Lille).
- 2016 – 2021** Member of the PhD supervision committee of Yuheng Ling (Université de Corte Pasquale Paoli).

Scientific responsibilities

- 2020 – 2023** Member of the board of directors of the "Groupement d'Intérêt Scientifique" Oncolille.
- 2020** – Member of the board of directors of the LEM Reseach Lab (due to the representation of the Lab in the GIS Oncolille)
- 2016 – 2021** Elected member of the Section 37 of the "*Comité National de la Recherche Scientifique*"
- 2013 – 2017** Member of the direction committee of the “Maison Interdisciplinaire des Systèmes Complexes” (website)
- 2016** Member of the selection committee to recruit an assistant professor in the Department of Economics (LEO - UMR 7322) of the University of Orléans
- 2015** Member of the selection committee to recruit an assistant professor in University of Besançon
- 2014** Member of the selection committee to recruit an assistant professor in the Department of Economics (LEO - UMR 7322) of the University of Orléans

Financed research projects

Principal investigator

- 2014 – 2018** Appel à Projets Région Centre Val de Loire - Initiative académique. “Mondialisation, Econométrie Spatiale et Interactions” (MESI). PI, 142.000 €

2014 – 2018 Maison des Sciences de l’Homme - Val de Loire, INTERACT, 6000 €.

2014 Renewal of the project PEPS HuMaIn grant obtained in 2013 as coordinator entitled: “Validation et études des Interactions, Techniques Statistiques et Analyse des Modèles appliqués aux Image Naturelles et à l’Econométrie Spatiale”, 3000 €.

2013 Coordinator of the project “Validation et études des Interactions, Techniques Statistiques et Analyse des Modèles appliqués aux Image Naturelles et à l’Econométrie Spatiale”, grant from project PEPS HuMaIn (CNRS), 4000 €.

2007 Grant from the National bank of Belgium for the project: “Exploring Spatial Interactions: Pecuniary Externalities vs. Informational Spillovers”, Co PI. with M. Dejardin, 5300 €.

Others

2020–2024 “Role des inégalités socioéconomiques et environnementales sur les cancers oesogastrique, Ligue contre le cancer” 90.100 €

2014 – 2018 Appel à Projets Région Centre Val de Loire - Intéret régional. Croissance, Optimisation, Economie, Urbanisation, Réseau (BINS-COEUR). Coordinator: Athanasios Batakis (MAPMO - UMR 7349 CNRS), 200.000 €.

Seminars

2024 GAEL, Grenoble (France)

2023 Department of Statistics, University of Lille

2022 University of Lille, EdHec, University of Verona, Italy.

2021 Ohio State University (USA)

2019 Université de Paris Dauphine, Université Saint-Louis-Bruxelles

2018 Texas State University (USA)

2017 Aix-Marseille University, Antai College of Economics and Management, Shanghai Jiao Tong University (China).

2016 University of Modena (Italy), University of Innsbruck (Austria)

2015 5th Shanghai Econometrics Workshop (Shanghai, China)

2014 University of Luxembourg (Luxembourg), Toulouse School of Economics (France), University of Caen (France), Université de Bourgogne (France)

2013 University of Murcia (Spain)

2011 University of Innsbruck (Austria), CORE (Université Catholique de Louvain), University of York (UK)

Teaching Activities

- 2023** – Applied Econometrics, University of Lille, Master 1 (18h)
- 2023** – Applied Econometrics, University of Namur (Belgium), Master 1 (24h)
- 2020–2024** Advanced Topics in Spatial Econometrics and Statistics, Master 2, U. Bourgogne (12h)
- 2017–2024** Spatial Econometrics, Master 2, Université de Lille (12h)
- 2015 – 2016** Introduction to L^AT_EX, PhD course, Université d’Orléans (6h)
- 2015** Spatial econometrics, Master 1, Université d’Orléans (24h)
- 2013 –2021** Spatial panel data econometrics, Master 2, Université de Corte (18h)
- 2012 – 2015** Introductory Econometrics, Licence 3, Université d’Orléans (24h)
- 2012 –2016** Econometrics of panel data, Master 2, Université de Besançon (12h)

Conferences

Organization

I mention here all conferences in which I was involved as part of the organizing committee.

- 2023** Co-organizer of a workshop on cancer screening (jointly with Pr. Christine Le Clainche), University of Lille, June.
- 2022** first Oncolille Days, November 2-4, University of Lille
- 2022** Co-organizer of the 20th International Workshop in Spatial Econometrics and Statistics, May 23-24, University of Lille
- 2021** 69th Annual conference of the French Association of Economics, Lille, June 8–10.
- 2020** 3rd Conference on Econometrics for Environment, Lille, December 4.
- 2017** 1st International Conference on Econometrics and Statistics, Hong-Kong, Organization of a special session on Spatial Econometrics and Statistics with Sophie Dabo (University of Lille 3) (website)
- 2017** Lille Research Workshop on Statistics and Econometrics, Lille (website)
- 2016** Co-organizer 15th International Workshop on Spatial Econometrics and Statistics, Orléans (website).
- 2016** 5th PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).
- 2015** 7th French Econometrics Conference, Orléans (website)
- 2015** 4th PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).

- 2014** Joint UNamur-UCL Winter school and Workshop on Networks in Economics and Finance (website).
- 2013** International conference on Interactions in Complex Systems, Orléans.
- 2013** 12th International Workshop in Spatial Econometrics and Statistics.
- 2011** Recent advances in Spatial Econometrics, Theory and empirics, Namur, Belgium.
- 2010** 9th International Workshop Spatial Econometrics and Statistics, Orléans.

Scientific committees

- 2023** 71th Congress of the French Economic Association, June 14-16, 2023, Science Po Paris
- 2023** 21th International Workshop on Spatial Econometrics and Statistics, Université de Bourgogne.
- 2022** 20th International workshop in Spatial Econometrics and Statistics, Lille, May 23-24.
- 2021** 69th Annual conference of the French Association of Economics, Lille, June 10-12.
- 2020** 19th International Workshop on Spatial Econometrics and Statistics, Université de Nantes.
- 2019** 18th International Workshop on Spatial Econometrics and Statistics, AgroSup Paris.
- 2018** 17th International Workshop on Spatial Econometrics and Statistics, Avignon (website).
- 2017** 1th International Conference on Econometrics and Statistics, Hong-Kong. Organization of a special session with Sophie Dabo (University of Liile 3) on Spatial Econometrics and Statistics (website)
- 2017** 16th International Workshop on Spatial Econometrics and Statistics, Avignon (website).
- 2016** 15th International Workshop on Spatial Econometrics and Statistics, Orléans (website).
- 2016** 5th PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).
- 2015** INFER Workshop on Spatial Analysis in Energy, Environmental and Innovation Economics (website)
- 2015** 7th French Econometrics Conference, Orléans (website)
- 2015** 14th International Workshop on Spatial Econometrics and Statistics, Université Panthéon-Assas.
- 2015** 4th PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).
- 2014** Joint UNamur-UCL Winter school and Workshop on Networks in Economics and Finance (website).
- 2014** 13th International Workshop in Spatial Econometrics and Statistics, University of Toulon.
- 2013** : International conference on Interactions in Complex Systems, Orléans.
- 2013** 12th International Workshop in Spatial Econometrics and Statistics, Orléans.

Participation

I report here the conferences where I presented a paper.

- 2022 Invited speaker** of the workshop "Recent developments in spatial/network econometrics", Royal Holloway, University of London.
- 2022 Invited Speaker** of the workshop "ESRC Workshop: Methods and Applications for Network Data" University of Essex, UK
- 2019 Invited Speaker** of the workshop "Space and Growth: Theoretical and Empirical Models", University of Pisa (Italy).
- 2019** 68th annual meeting of the French Association of Economics, Orléans (France)
- 2018 Keynote speaker** for the 17th International Workshop on Spatial Econometrics and Statistics, University of Bourgogne.
- 2017** 10th International Conference of the ERCIM WG on Computational and Methodological Statistics, London, website
- 2017** 61st World Statistics Congress, Marrakesh (Morocco). website
- 2017** Lille Research Workshop on Statistics and Econometrics, Lille (website)
- 2017** 1th International Conference on Econometrics and Statistics ,Hong-Kong. (website)
- 2017** 16th International Workshop on Spatial Econometrics and Statistics, Avignon.
- 2016** Asian Meeting of the Econometric Society, Kyoto (Japan)
- 2016** Xth World Conference of the Spatial Econometrics Association, Rome (Italy)
- 2015** 26th EC2 conference on theory and Practice of Spatial Econometrics (Edinburgh, Scotland).
- 2015** 7th French Econometric Conference (Orléans, France).
- 2015** 8th Jean Paelinck Seminar (Dijon, France).
- 2015** 14th International Workshop on Spatial Econometrics and Statistics, Université Panthéon-Assas.
- 2014** North American Summer Meeting of the Econometric Society (Minneapolis – USA)
- 2014** Workshop on Real Estate Economics and Finance (Frankfurt – Germany)
- 2013** 6th Seminar Jean Paelinck (Madrid, Spain).
- 2013** 12th International workshop on Spatial Econometrics and Statistics (Orléans, France).
- 2012** 11th International workshop on Spatial Econometrics and Statistics (Avignon, France).
- 2011** 5th World Conference of the Spatial Econometrics Association (Toulouse, France).
- 2010** 9th International Workshop on Spatial Econometrics and Statistics (Orléans, France).
- 2010** 4th World Conference of the Spatial Econometrics Association (Chicago, USA).

2009 56th North American Regional Science Association International Conference (San Francisco, USA).

2009 3th World Conference of the Spatial Econometrics Association (Barcelona, Spain).

2009 15th Conference on Panel Data (Bonn, Germany).

Refereeing activities

Applied Economics, Cliometrica, Econometric Theory, Economic Letters, Empirical Economics, Geographical Analysis, International Economics, International Journal of Finance & Economics, International Regional Science Review, International Review of Economics and Finance, Journal of Applied Econometrics, Journal of Business & Economic Statistics, Journal of Development Economics, Journal of Econometrics, International Journal of Forecasting, Journal of Spatial Econometrics, Papers in Regional Science, Revue d'Economie Politique, Revue Française d'Economie, Regional Science and Urban Economics, Revue d'Economie Régionale et Urbaine, Spatial Economic Analysis, Statistica Sinica

Visiting

2018 Research Stay at Texas State University, USA.

2014 Research stay at University of Murcia, Spain

2014 Research Stay at European Business School, Frankfurt, Germany.

2014 Research stay at University of Franche-Comté, France.

2013 Research Stay at European Business School, Frankfurt, Germany.

2013 Research stay at University of Murcia, Spain.

2012 Research stay at Ohio State University (USA).